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a guide link and a drive link, the guide link separated from the drive link in a second lateral direction that is perpendicular to the chain direction and opposite the first lateral direction, the guide link and the drive link being

the rows of the first series separated along the chain direction by a distance that is less than a length  
25 along the chain direction of the links of the second series,

the first series and the second series interleaved along the chain direction so that a row of links of the second series is positioned between and extending adjacent to links of adjacent rows of the first series and a row of links of the first series is positioned between and extending adjacent to links of adjacent rows of the second series,

the drive link of each interleaved row of the first series extending between the drive link and guide link of each row of the second series adjacent to the drive link of the row of the first series and the drive link of each interleaved row of the second series extending between the drive link and guide link of each row of the first

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series adjacent to the drive link of the row of the  
45 second series;

each row of links of the first series being  
pivotally connected to each row of the second series  
interleaved with the row of the first series at locations  
near the ends of the links of the first series along the  
50 chain direction where the adjacent rows of the first  
series and the second series are interleaved;

each row of links of the second series being  
pivotally connected to each row of the first series  
interleaved with the row of the second series at  
55 locations near the ends of the links of the second series  
along the chain direction where the adjacent rows of the  
first series and second series are interleaved;

whereby, separations along the chain direction  
between ends of drive links of adjacent rows of the first  
60 series are adjacent to the drive links of the second  
series and separations along the chain direction between  
ends of drive links of adjacent rows of the second series  
are adjacent to the drive links of the first series and  
the guide links of alternate rows along the chain  
65 direction are positioned on alternate lateral sides of  
the power transmission chain.

5. A power transmission chain according to claim 2 wherein the drive links define a backside surface opposite the teeth, the back side surface including two back side drive flanks facing at least in part along the chain direction, one at a first end of the drive link along the chain direction and one at a second end of the drive link opposite the first end along the chain direction.

Sub 2 6. A sprocket and power transmission chain  
comprising:

a sprocket having sprocket teeth extending radially  
outwardly at an outer surface of the sprocket, the  
5 sprocket teeth

arranged in a plurality of series around  
circumference of the sprocket, with adjacent series  
offset from each other along a direction generally  
perpendicular to the series.

10 the teeth of each series separated from  
adjacent sprocket teeth of the series to accept a  
drive link of a power transmission chain between  
adjacent sprocket teeth,

a power transmission chain having a plurality of  
15 series of interleaved, pivotally connected drive links,  
each drive link positioned adjacent to two drive links,  
one at each opposite end of the drive link along a chain  
direction,

the chain having a guide link laterally adjacent to  
20 and separated from the drive links, so that an  
interleaved drive link is between the guide link and

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drive link at opposite ends of the drive link along the chain direction; and

the power transmission chain engaging the sprocket  
 25 positioning a first series of drive links engaging a first series of sprocket teeth and a second series of drive links engaging a second series of sprocket teeth.

7. The sprocket and power transmission chain of claim 6, wherein the sprocket has two parallel series of sprocket teeth.

8. The sprocket and power transmission chain of  
 5 claim 6, wherein the chain further comprises pins pivotally connecting interleaved drive links and guide links.

9. The sprocket and power transmission chain of claim 6, wherein the drive links define a front side and  
 10 a back side, the front side of a drive link defining two inverted teeth for meshing with a front drive sprocket, the back side of a drive link defining flanks configured so that the back side of the drive link is accepted between adjacent sprocket teeth of a series for meshing  
 15 with a back drive sprocket.

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10. The sprocket and power transmission chain of  
claim 6, wherein the drive links comprise a front side  
and a back side, the front side of a drive link  
comprising flanks configured so that the front side of  
20 the drive link is accepted between adjacent sprocket  
teeth for meshing with a front drive sprocket, the back  
side of a drive link comprising flanks configured so that  
the back side of the drive link is accepted between  
adjacent sprocket teeth for meshing with a back drive  
25 sprocket.

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